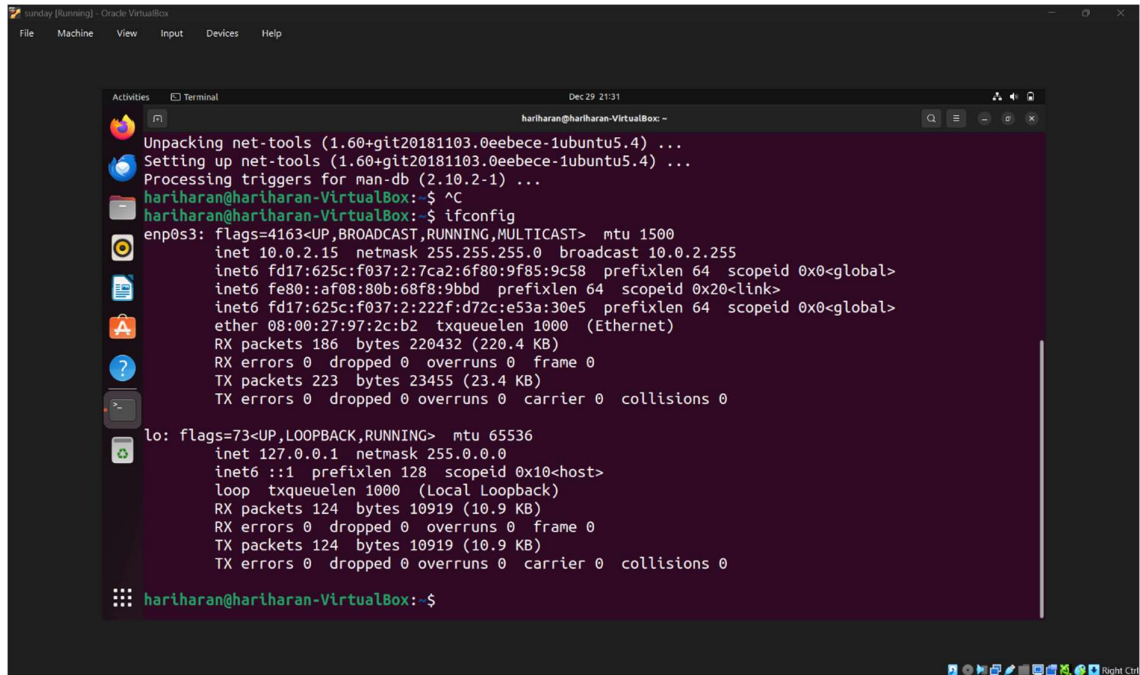


# NETWORKING COMMANDS, DISK MANAGEMENT COMMANDS , FILE HIERARCHY STRUCTURE , ADD THE USER IN GROUP USING THE USERMOD

- Using “ifconfig” command use to identify the ip address.



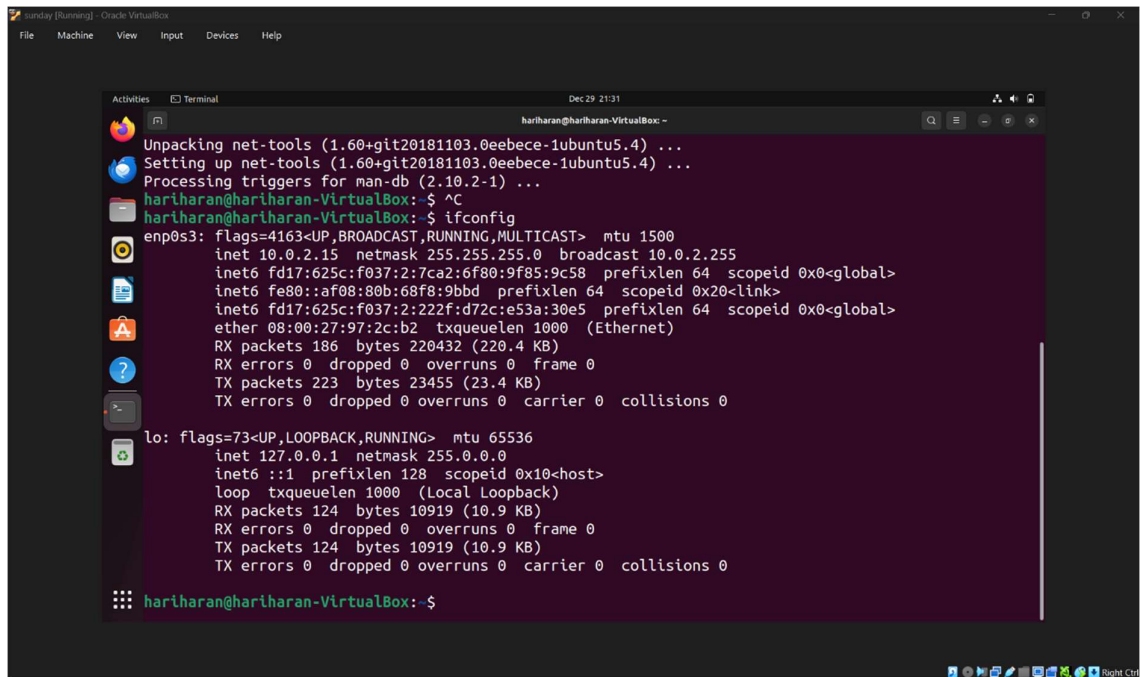
The screenshot shows a terminal window titled "hariharan@hariharan-VirtualBox" with the following output:

```
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Processing triggers for man-db (2.10.2-1) ...
hariharan@hariharan-VirtualBox:~$ ^C
hariharan@hariharan-VirtualBox:~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fd17:625c:f037:2:7ca2:6f80:9f85:9c58 prefixlen 64 scopeid 0x0<global>
    inet6 fe80::af08:80b:68f8:9bbd prefixlen 64 scopeid 0x20<link>
    inet6 fd17:625c:f037:2:222f:d72c:e53a:30e5 prefixlen 64 scopeid 0x0<global>
    ether 08:00:27:97:2c:b2 txqueuelen 1000 (Ethernet)
    RX packets 186 bytes 220432 (220.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 223 bytes 23455 (23.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 124 bytes 10919 (10.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 124 bytes 10919 (10.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hariharan@hariharan-VirtualBox:~$
```

- Using “ping” command use to testing network connectivity.

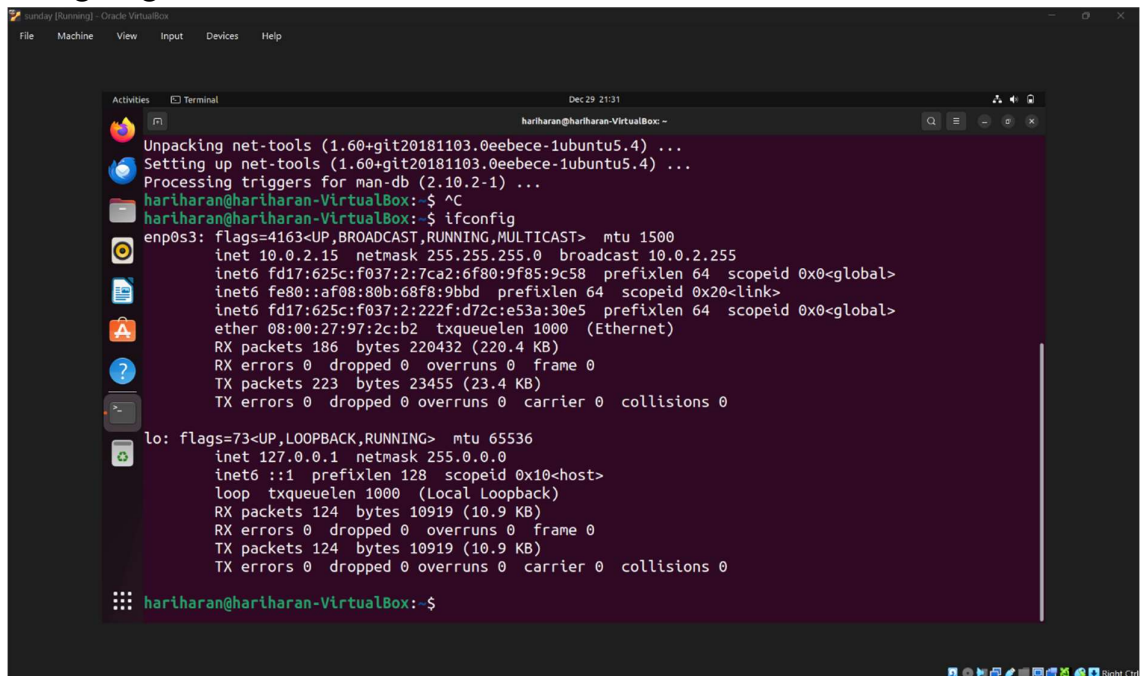


```
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Processing triggers for man-db (2.10.2-1) ...
hariharan@hariharan-VirtualBox: ~$ ^C
hariharan@hariharan-VirtualBox: ~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fd17:625c:f037:2:7ca2:6f80:9f85:9c58 prefixlen 64 scopeid 0x0<global>
    inet6 fe80::af08:80b:68f8:9bbd prefixlen 64 scopeid 0x20<link>
    inet6 fd17:625c:f037:2:222f:d72c:e53a:30e5 prefixlen 64 scopeid 0x0<global>
    ether 08:00:27:97:2c:b2 txqueuelen 1000 (Ethernet)
    RX packets 186 bytes 220432 (220.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 223 bytes 23455 (23.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 124 bytes 10919 (10.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 124 bytes 10919 (10.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hariharan@hariharan-VirtualBox: ~$
```

- Using “wget” command to use to test website link of network download.

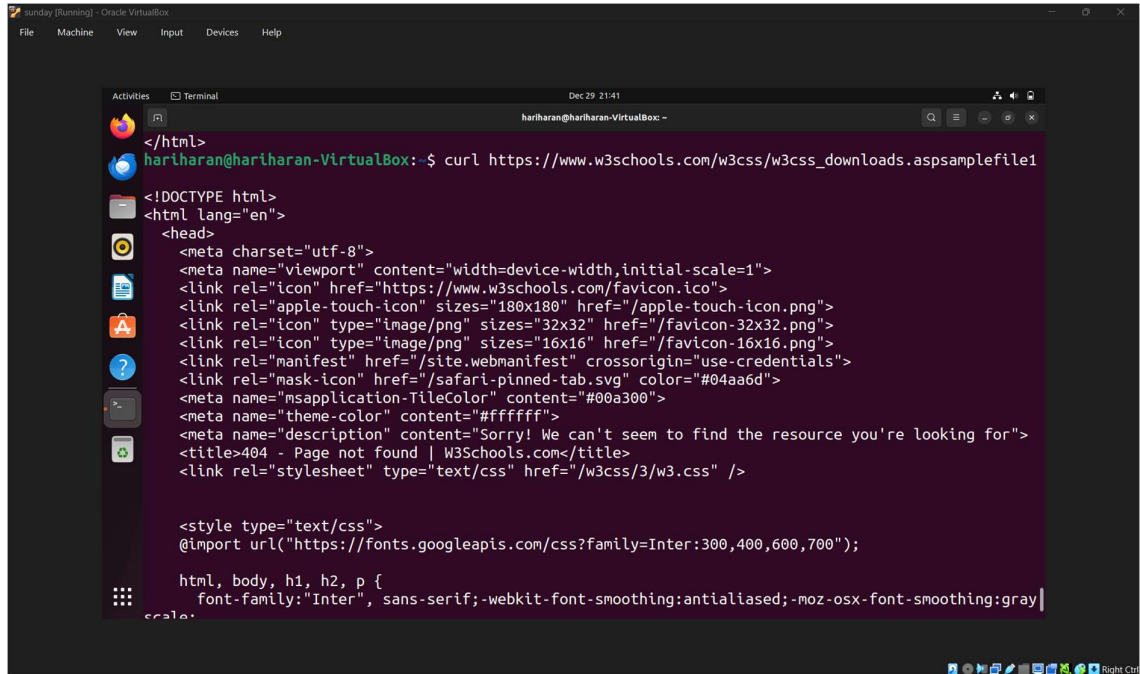


```
Unpacking net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Setting up net-tools (1.60+git20181103.0eebece-1ubuntu5.4) ...
Processing triggers for man-db (2.10.2-1) ...
hariharan@hariharan-VirtualBox: ~$ ^C
hariharan@hariharan-VirtualBox: ~$ ifconfig
enp0s3: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 10.0.2.15 netmask 255.255.255.0 broadcast 10.0.2.255
    inet6 fd17:625c:f037:2:7ca2:6f80:9f85:9c58 prefixlen 64 scopeid 0x0<global>
    inet6 fe80::af08:80b:68f8:9bbd prefixlen 64 scopeid 0x20<link>
    inet6 fd17:625c:f037:2:222f:d72c:e53a:30e5 prefixlen 64 scopeid 0x0<global>
    ether 08:00:27:97:2c:b2 txqueuelen 1000 (Ethernet)
    RX packets 186 bytes 220432 (220.4 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 223 bytes 23455 (23.4 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 124 bytes 10919 (10.9 KB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 124 bytes 10919 (10.9 KB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

hariharan@hariharan-VirtualBox: ~$
```

- Using “curl” command to use to package of network download.



```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

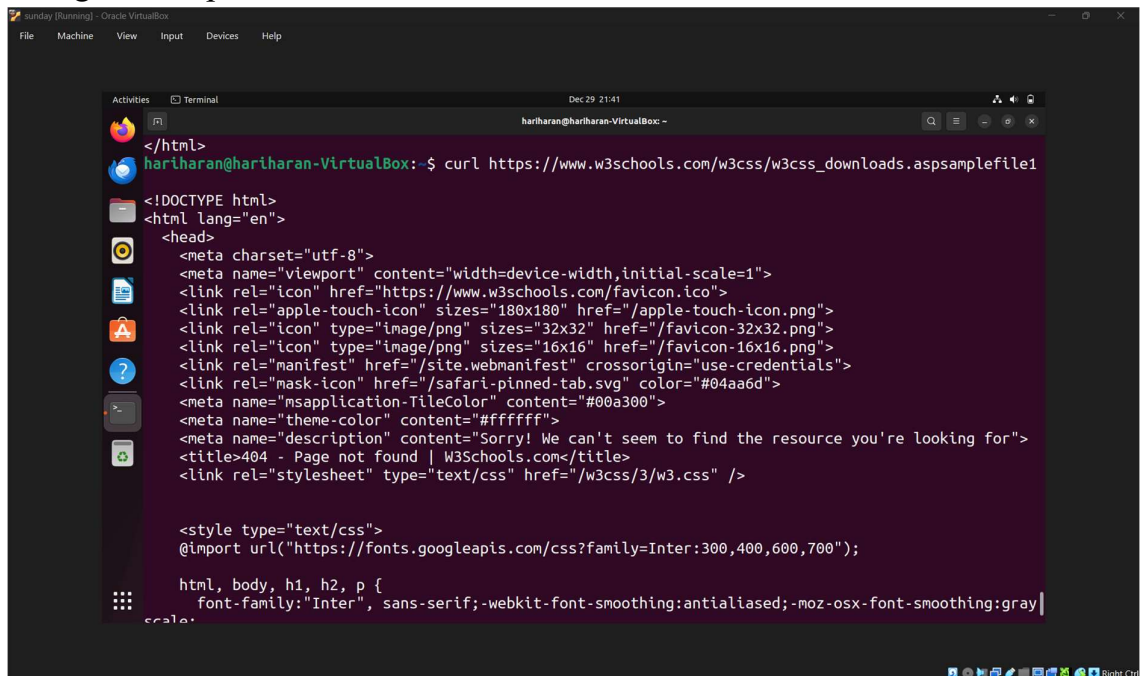
Activities Terminal
hariharan@hariharan-VirtualBox: ~
hariharan@hariharan-VirtualBox: ~$ curl https://www.w3schools.com/w3css/w3css_downloads.aspsamplefile1

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,initial-scale=1">
  <link rel="icon" href="https://www.w3schools.com/favicon.ico">
  <link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon.png">
  <link rel="icon" type="image/png" sizes="32x32" href="/favicon-32x32.png">
  <link rel="icon" type="image/png" sizes="16x16" href="/favicon-16x16.png">
  <link rel="manifest" href="/site.webmanifest" crossorigin="use-credentials">
  <link rel="mask-icon" href="/safari-pinned-tab.svg" color="#04aa6d">
  <meta name="msapplication-TileColor" content="#00a300">
  <meta name="theme-color" content="#ffffff">
  <meta name="description" content="Sorry! We can't seem to find the resource you're looking for">
  <title>404 - Page not found | W3Schools.com</title>
  <link rel="stylesheet" type="text/css" href="/w3css/3/w3.css" />

  <style type="text/css">
    @import url("https://fonts.googleapis.com/css?family=Inter:300,400,600,700");

    html, body, h1, h2, p {
      font-family: "Inter", sans-serif; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: gray
    }
  </style>
</html>
```

- Using “sudo apt install telnet” to install an telnet.



```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal
hariharan@hariharan-VirtualBox: ~
hariharan@hariharan-VirtualBox: ~$ curl https://www.w3schools.com/w3css/w3css_downloads.aspsamplefile1

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="utf-8">
  <meta name="viewport" content="width=device-width,initial-scale=1">
  <link rel="icon" href="https://www.w3schools.com/favicon.ico">
  <link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon.png">
  <link rel="icon" type="image/png" sizes="32x32" href="/favicon-32x32.png">
  <link rel="icon" type="image/png" sizes="16x16" href="/favicon-16x16.png">
  <link rel="manifest" href="/site.webmanifest" crossorigin="use-credentials">
  <link rel="mask-icon" href="/safari-pinned-tab.svg" color="#04aa6d">
  <meta name="msapplication-TileColor" content="#00a300">
  <meta name="theme-color" content="#ffffff">
  <meta name="description" content="Sorry! We can't seem to find the resource you're looking for">
  <title>404 - Page not found | W3Schools.com</title>
  <link rel="stylesheet" type="text/css" href="/w3css/3/w3.css" />

  <style type="text/css">
    @import url("https://fonts.googleapis.com/css?family=Inter:300,400,600,700");

    html, body, h1, h2, p {
      font-family: "Inter", sans-serif; -webkit-font-smoothing: antialiased; -moz-osx-font-smoothing: gray
    }
  </style>
</html>
```

- Using “lsblk” command to list block statement.

```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal Dec 29 21:52
hariharan@hariharan-VirtualBox: ~

Building dependency tree... Done
Reading state information... Done
telnet is already the newest version (0.17-44build1).
telnet set to manually installed.
0 upgraded, 0 newly installed, 0 to remove and 306 not upgraded.
hariharan@hariharan-VirtualBox:~$ telnet 49.206.10.74 22
Trying 49.206.10.74...
telnet: Unable to connect to remote host: Connection refused
hariharan@hariharan-VirtualBox:~$ lsblk
NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0       7:0    0     4K  1 loop /snap/bare/5
loop1       7:1    0   74.3M  1 loop /snap/core22/1612
loop2       7:2    0  271.2M  1 loop /snap/firefox/4848
loop3       7:3    0  505.1M  1 loop /snap/gnome-42-2204/176
loop4       7:4    0  250.8M  1 loop /snap/firefox/7559
loop5       7:5    0   91.7M  1 loop /snap/gtk-common-themes/1535
loop6       7:6    0   12.9M  1 loop /snap/snap-store/1113
loop7       7:7    0   38.8M  1 loop /snap/snapd/21759
loop8       7:8    0   50.9M  1 loop /snap/snapd/25577
loop9       7:9    0   500K  1 loop /snap/snapd-desktop-integration/178
loop10      7:10   0   576K  1 loop /snap/snapd-desktop-integration/315
sda         8:0    0    25G  0 disk 
├─sda1      8:1    0   512M  0 part /boot/efi
└─sda2      8:2    0   24.5G  0 part /
sr0        11:0    1  1024M  0 rom
```

- Using “df -h” command to use disk free humanreadable.

```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

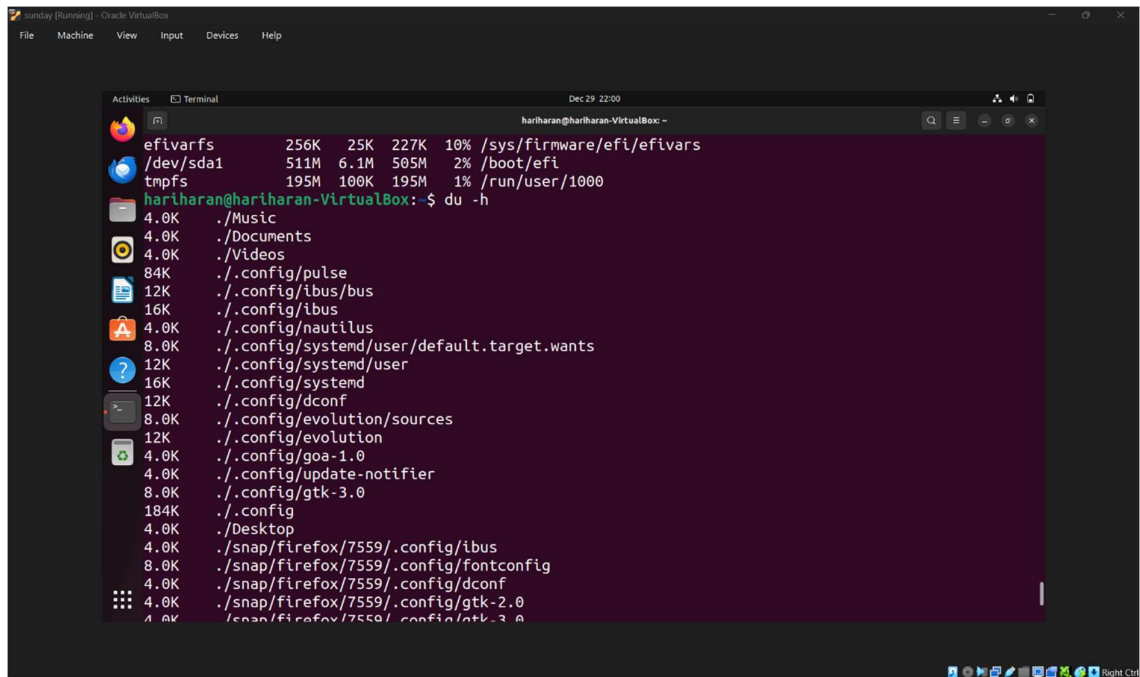
Activities Terminal Dec 29 21:58
hariharan@hariharan-VirtualBox: ~

NAME        MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
loop0       7:0    0     4K  1 loop /snap/bare/5
loop1       7:1    0   74.3M  1 loop /snap/core22/1612
loop2       7:2    0  271.2M  1 loop /snap/firefox/4848
loop3       7:3    0  505.1M  1 loop /snap/gnome-42-2204/176
loop4       7:4    0  250.8M  1 loop /snap/firefox/7559
loop5       7:5    0   91.7M  1 loop /snap/gtk-common-themes/1535
loop6       7:6    0   12.9M  1 loop /snap/snap-store/1113
loop7       7:7    0   38.8M  1 loop /snap/snapd/21759
loop8       7:8    0   50.9M  1 loop /snap/snapd/25577
loop9       7:9    0   500K  1 loop /snap/snapd-desktop-integration/178
loop10      7:10   0   576K  1 loop /snap/snapd-desktop-integration/315
sda         8:0    0    25G  0 disk 
├─sda1      8:1    0   512M  0 part /boot/efi
└─sda2      8:2    0   24.5G  0 part /
sr0        11:0    1  1024M  0 rom

hariharan@hariharan-VirtualBox:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
tmpfs            195M  1.5M  194M   1% /run
/dev/sda2        24G   13G   11G  56% /
tmpfs            975M    0  975M   0% /dev/shm
tmpfs            5.0M  4.0K  5.0M   1% /run/lock
efivarfs         256K  25K  227K  10% /sys/firmware/efi/efivars
/dev/sda1        511M  6.1M  505M   2% /boot/efi
tmpfs            195M  100K  195M   1% /run/user/1000
```

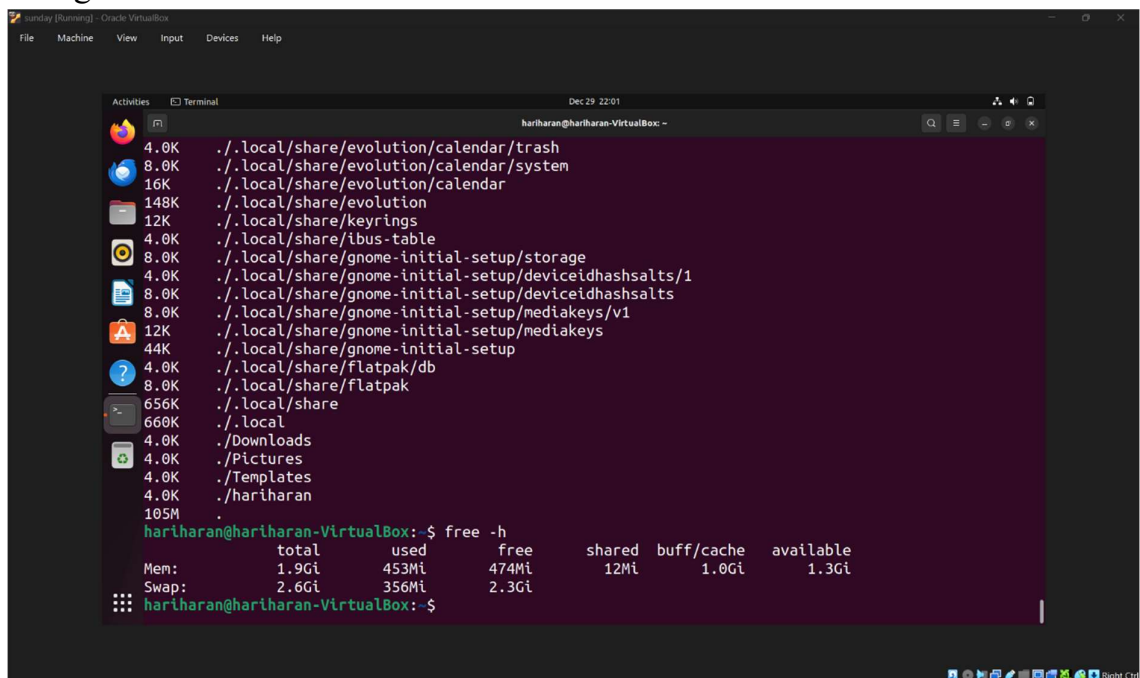
- Using “du -h” command to use disk usage humanreadable.





```
efivarfs          256K   25K   227K  10% /sys/firmware/efi/efivars
/dev/sda1         511M   6.1M  505M   2% /boot/efi
tmpfs             195M   100K  195M   1% /run/user/1000
hariharan@hariharan-VirtualBox:~$ du -h
4.0K      ./Music
4.0K      ./Documents
4.0K      ./Videos
84K       ./config/pulse
12K       ./config/ibus/bus
16K       ./config/ibus
4.0K      ./config/nautilus
8.0K      ./config/systemd/user/default.target.wants
12K       ./config/systemd/user
16K       ./config/systemd
12K       ./config/dconf
8.0K      ./config/evolution/sources
12K       ./config/evolution
4.0K      ./config/goa-1.0
4.0K      ./config/update-notifier
8.0K      ./config/gtk-3.0
184K      ./config
4.0K      ./Desktop
4.0K      ./snap/firefox/7559/.config/ibus
8.0K      ./snap/firefox/7559/.config/fontconfig
4.0K      ./snap/firefox/7559/.config/dconf
4.0K      ./snap/firefox/7559/.config/gtk-2.0
4.0K      ./snap/firefox/7559/.config/gtk-3.0
```

- Using “free -h” command to use free humanreadable.



```
4.0K      ./local/share/evolution/calendar/trash
8.0K      ./local/share/evolution/calendar/system
16K       ./local/share/evolution/calendar
148K      ./local/share/evolution
12K       ./local/share/keyrings
4.0K      ./local/share/ibus-table
8.0K      ./local/share/gnome-initial-setup/storage
4.0K      ./local/share/gnome-initial-setup/deviceidhashsalts/1
8.0K      ./local/share/gnome-initial-setup/deviceidhashsalts
8.0K      ./local/share/gnome-initial-setup/mediakeys/v1
12K       ./local/share/gnome-initial-setup/mediakeys
44K       ./local/share/gnome-initial-setup
4.0K      ./local/share/flatpak/db
8.0K      ./local/share/flatpak
656K      ./local/share
660K      ./local
4.0K      ./Downloads
4.0K      ./Pictures
4.0K      ./Templates
4.0K      ./hariharan
105M      .
hariharan@hariharan-VirtualBox:~$ free -h
              total        used        free      shared  buff/cache   available
Mem:          1.9Gi       453Mi       474Mi        12Mi        1.0Gi        1.3Gi
Swap:         2.6Gi       356Mi       2.3Gi
```

- Using “ps -ef | grep python” command to use process of an python

```
hariharan@hariharan-VirtualBox: ~  
$ du -sh /usr/share/gnome-initial-setup/storage  
8.0K /usr/share/gnome-initial-setup/storage  
$ du -sh /usr/share/gnome-initial-setup/deviceidhashsalts/1  
4.0K /usr/share/gnome-initial-setup/deviceidhashsalts/1  
$ du -sh /usr/share/gnome-initial-setup/deviceidhashsalts  
8.0K /usr/share/gnome-initial-setup/deviceidhashsalts  
$ du -sh /usr/share/gnome-initial-setup/mediakeys/v1  
8.0K /usr/share/gnome-initial-setup/mediakeys/v1  
$ du -sh /usr/share/gnome-initial-setup/mediakeys  
12K /usr/share/gnome-initial-setup/mediakeys  
$ du -sh /usr/share/gnome-initial-setup  
44K /usr/share/gnome-initial-setup  
$ du -sh /usr/share/flatpak/db  
4.0K /usr/share/flatpak/db  
$ du -sh /usr/share/flatpak  
8.0K /usr/share/flatpak  
$ du -sh /usr/share  
656K /usr/share  
$ du -sh /usr/local  
660K /usr/local  
$ du -sh /usr/downloads  
4.0K /usr/downloads  
$ du -sh /usr/pictures  
4.0K /usr/pictures  
$ du -sh /usr/templates  
4.0K /usr/templates  
$ du -sh /usr/hariharan  
4.0K /usr/hariharan  
$ du -sh /usr  
105M /usr  
$ free -h  
             total        used        free      shared  buff/cache   available  
Mem:          1.9Gi         453Mi        474Mi        12Mi        1.0Gi        1.3Gi  
Swap:         2.6Gi         356Mi        2.3Gi  
$ ps -ef | grep python  
root          627      1  0 21:25 ?        00:00:00 /usr/bin/python3 /usr/bin/networkd-dispatcher --r  
un-startup-triggers  
root          731      1  0 21:25 ?        00:00:00 /usr/bin/python3 /usr/share/unattended-upgrades/u  
nattended-upgrade-shutdown --wait-for-signal  
harihar+    5125    1963  0 22:01 pts/0    00:00:00 grep --color=auto python  
$
```

- Using “uptime” command to use identify running time.

```
hariharan@hariharan-VirtualBox: ~  
$ free -h  
             total        used        free      shared  buff/cache   available  
Mem:          1.9Gi         453Mi        474Mi        12Mi        1.0Gi        1.3Gi  
Swap:         2.6Gi         356Mi        2.3Gi  
$ ps -ef | grep python  
root          627      1  0 21:25 ?        00:00:00 /usr/bin/python3 /usr/bin/networkd-dispatcher --r  
un-startup-triggers  
root          731      1  0 21:25 ?        00:00:00 /usr/bin/python3 /usr/share/unattended-upgrades/u  
nattended-upgrade-shutdown --wait-for-signal  
harihar+    5125    1963  0 22:01 pts/0    00:00:00 grep --color=auto python  
$ uptime  
22:03:42 up 38 min, 1 user,  load average: 0.13, 0.08, 0.17  
$
```

- Using “chown jarvis file3” command to use change ownership of file.

```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal
hariharan@hariharan-VirtualBox: ~
Dec 29 22:26

drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Templates
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Videos
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox:~$ chown jarvis file3
chown: changing ownership of 'file3': Operation not permitted
hariharan@hariharan-VirtualBox:~$ sudo chown jarvis file3
[sudo] password for hariharan:
chown: changing ownership of 'file3': Operation not permitted
hariharan@hariharan-VirtualBox:~$ ls -l
total 412
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Desktop
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Documents
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Downloads
-rw-rw-r-- 1 jarvis hariharan 0 Dec 29 19:45 file3
-rw-rw-r-- 1 hariharan hariharan 0 Dec 27 11:49 file.txt
-rw-rw-r-- 1 hariharan hariharan 2 Dec 27 11:56 file.txt.save
drwxrwxr-x 2 hariharan hariharan 4096 Dec 27 14:03 hariharan
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Music
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Pictures
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Public
drwx----- 4 hariharan hariharan 4096 Dec 29 21:37 snap
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Templates
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Videos
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox:~$
```

- Using “chown :jarvis file3” command to use change ownership of group.

```
sunday [Running] - Oracle VM VirtualBox
File Machine View Input Devices Help

Activities Terminal
hariharan@hariharan-VirtualBox: ~
Dec 29 22:28

drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Videos
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox:~$ chown :jarvis file3
Command 'chown:' not found, did you mean:
  Command 'chown' from deb coreutils (8.32-4.1ubuntu1.2)
Try: sudo apt install <deb name>
hariharan@hariharan-VirtualBox:~$ chown :jarvis file3
chown: changing group of 'file3': Operation not permitted
hariharan@hariharan-VirtualBox:~$ sudo chown :jarvis file3
hariharan@hariharan-VirtualBox:~$ ls -l
total 412
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Desktop
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Documents
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Downloads
-rw-rw-r-- 1 jarvis jarvis 0 Dec 29 19:45 file3
-rw-rw-r-- 1 hariharan hariharan 0 Dec 27 11:49 file.txt
-rw-rw-r-- 1 hariharan hariharan 2 Dec 27 11:56 file.txt.save
drwxrwxr-x 2 hariharan hariharan 4096 Dec 27 14:03 hariharan
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Music
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Pictures
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Public
drwx----- 4 hariharan hariharan 4096 Dec 29 21:37 snap
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Templates
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Videos
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox:~$
```

- Using “usermod -aG” command to user add to another group to get permission.

sunday [Running] - Oracle VM VirtualBox

File Machine View Input Devices Help

Activities Terminal Dec 29 22:32

hariharan@hariharan-VirtualBox: ~

```
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox: $ cat /etc/group | grep jarvis
jarvis:x:1003:
hariharan@hariharan-VirtualBox: $ usermod -aG vijay jarvis
usermod: Permission denied.
usermod: cannot lock /etc/passwd; try again later.
hariharan@hariharan-VirtualBox: $ sudo usermod -aG vijay jarvis
hariharan@hariharan-VirtualBox: $ ls -l
total 412
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Desktop
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Documents
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Downloads
-rw-rw-r-- 1 jarvis jarvis 0 Dec 29 19:45 file3
-rw-rw-r-- 1 hariharan hariharan 0 Dec 27 11:49 file.txt
-rw-rw-r-- 1 hariharan hariharan 2 Dec 27 11:56 file.txt.save
drwxrwxr-x 2 hariharan hariharan 4096 Dec 27 14:03 hariharan
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Music
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Pictures
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Public
drwx----- 4 hariharan hariharan 4096 Dec 29 21:37 snap
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Templates
drwxr-xr-x 2 hariharan hariharan 4096 Dec 27 11:42 Videos
-rw-rw-r-- 1 hariharan hariharan 375078 Dec 29 21:39 w3css_downloads.asp
hariharan@hariharan-VirtualBox: $ groups jarvis
jarvis : jarvis vijay
hariharan@hariharan-VirtualBox: $
```